BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Estimate Cost Rs. 2000000.00

Name of Work: Providing necessary borewell accessories and Laying PVC pipelines, additional GI Pipes, Pump and Motors to existing borewells in Ward no. 06 Byatarayanapura Sub division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 17.50 HP 30 stage (P.NO-XXXXIII, I.NO-34, PWD SR 18-19)	No							
	For Motor 12.5HP 25 Stage XLI, SL No.35		2				**2**	56414.00	**112828.00**
	For Motor 15 HP 30 Stage XLII, SL NO. 43	No	3				**3**	63498.00	**190494.00**
	17.5HP 30 Stage		3				**3**	72126.00	**216378.00**
2	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above Up to 20HP with star delta starter (MR) Page No. XLVII, Sl NO. 13, PWD SR 2018-19	No.							
			5				**5**	21000.00	**105000.00**
3	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe B Class (SR 18-19 PWD, P.No.XLVII Sl.no. 1	Rmtr							
			1	850.00			**850.00**	415.00	**352750.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	Supply and fixing Collar for GI Pipes 50MM (Page No. XLVII, Sl NO.2, PWD SR-2018-19	No's	1	43.00			**43.00**	154.50	**6644.00**
	Basic Rate	150.00							
	3% area weightage	4.50							
	Total	**154.50**							
5	Supplying of submersible pump cable 1X3X6..0 Sq.mm (Page No. XLVII, Sl NO. 8, PWD SR-2018-19	Mtr							
			1	1200.00			**1200.00**	144.00	**172800.00**
6	Supplying and fixing MCB (P.NO - XLVII, SL.NO - 19, PWD SR 18-19)	No's							
			15	1.00			**15.00**	900.00	**13500.00**
7	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in Ordinary soil not exceeding 1.5 m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of clods complete as per specifications (P.NO - 6, I.NO - 2.3, PWD SR 18-19)	Cum							
			1	925.00	0.60	0.75	416.25		
							416.25	316.94	**131926.00**
	Basic Rate	299.00							
	6% area weightage	17.94							
	Total	316.94							
8	Providing and installing at site of work 63mm (0.662) PVC Pipes of 6 kg / cm2 including cost of pipes and specials and labour, including lowering into trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved type with all labour and lift charges, handling charges including encasing the pipe alround to a depth not less than 15cms with gravel or selected earth available from the excavation etc., complete (P.NO - 94, I.NO - 13.73.2, PWD SR 18-19)	Mtr							
			1	925.00			925.00		
							925.00	394.32	**364746.00**
	Basic Rate	372.00							
	6% area weightage	22.32							
	Total	394.32							
9	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specifications (P.NO - 7, I.NO - 2.11, PWD SR 18-19)	Cum							
			1	925.00	0.60	0.75	416.25		
							416.25	128.26	**53388.00**
	Basic Rate	121.00							
	6% area weightage	7.26							
	Total	128.26							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm (P.NO-530, I.NO-39 b, BWSSB SR 13-14)	Sqm							
			5	1100.00	20.00		**110000.00**	0.34	**37389.00**
	Basic Rate	0.33							
	3% area weightage	0.01							
	Total	**0.34**							
11	Supplying and fixing of Porcelain fuse channel with cut out on existing wooden / panel using necessary nuts, bolts and washer etc., complete.... **P No. 32/I No 3b KPWD Electrical SR 2010-11**	No.							
	63 Amps		15	3.00			**45.00**	150	**6750.00**
12	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable (confirming to IS 1554) (P.NO - 553, I.NO - 10 (d), BWSSB SR 13-14)	Mtr							
	For Additional UG Cable		1	50.00			**50.00**	169.95	**8498.00**
	Basic Rate	165							
	3% area weightage	4.95							
	Total	169.95							
	Total of Other SR Items including GST Unit Rate(Sl No. 10 to 12)								**52637.00**
	Total of PWD SR 2018-19 Items(Sl No. 1 to 9)								**1720454.00**
13	For 12% GST for Only PWD SR-2018-19 items								**206454.00**
14	1% PMC Charges								**17731.00**
15	Miscellaneous and Unforeseen Charges	L/S							**2724.00**
								Total	**2000000.00**

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per C.S.R. of PWD Elecrical 2010-11, PRED 2012-13 & SE-RDED and PWD SR 2018-19 approved Rate.

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

Executive Engineer
Byatarayanapura Division

Assistant Executive Engineer
Byatarayanapura Sub Division
ಸಹಾಯಕ ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Administrative Approval
Accorded For Rs-20.80 Lakhs
Head of A/C P-1771
CER NO : 13 Dt: 09.05.2019

TECHNICAL SANCTION
Accorded For Rs. 20.00 lakhs
Head of A/c. P1771, POW Ward.
Div. Ref. No. 12 Date 09/05/19

IA CE (YNK)

AE EE(BTP) 9/5